

FIG. 1

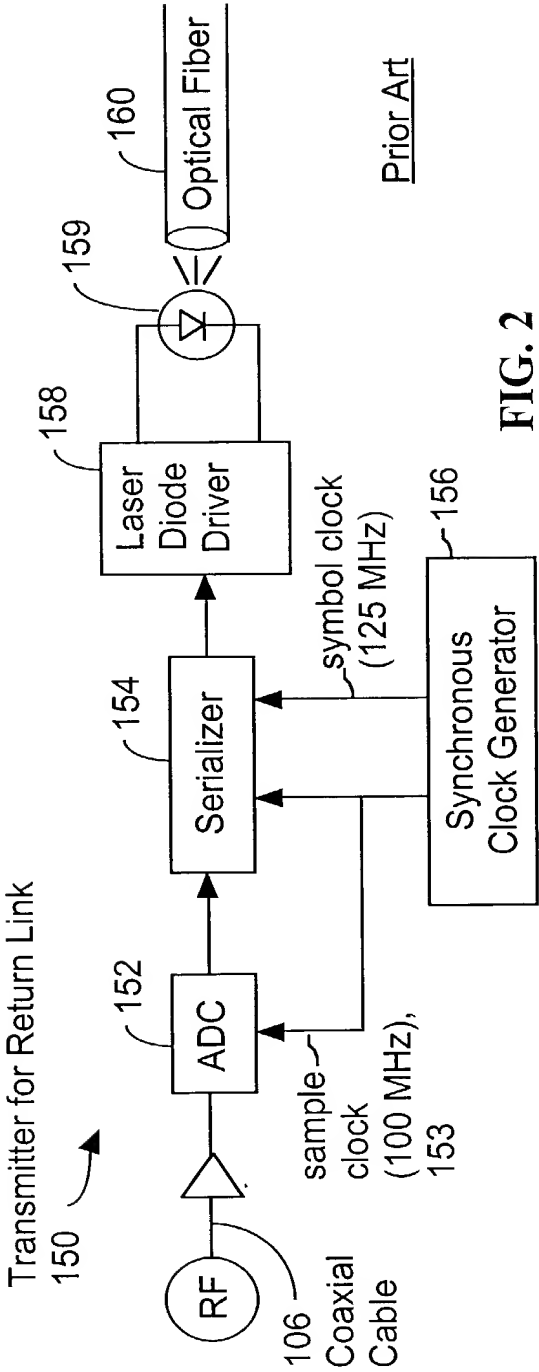


FIG. 2

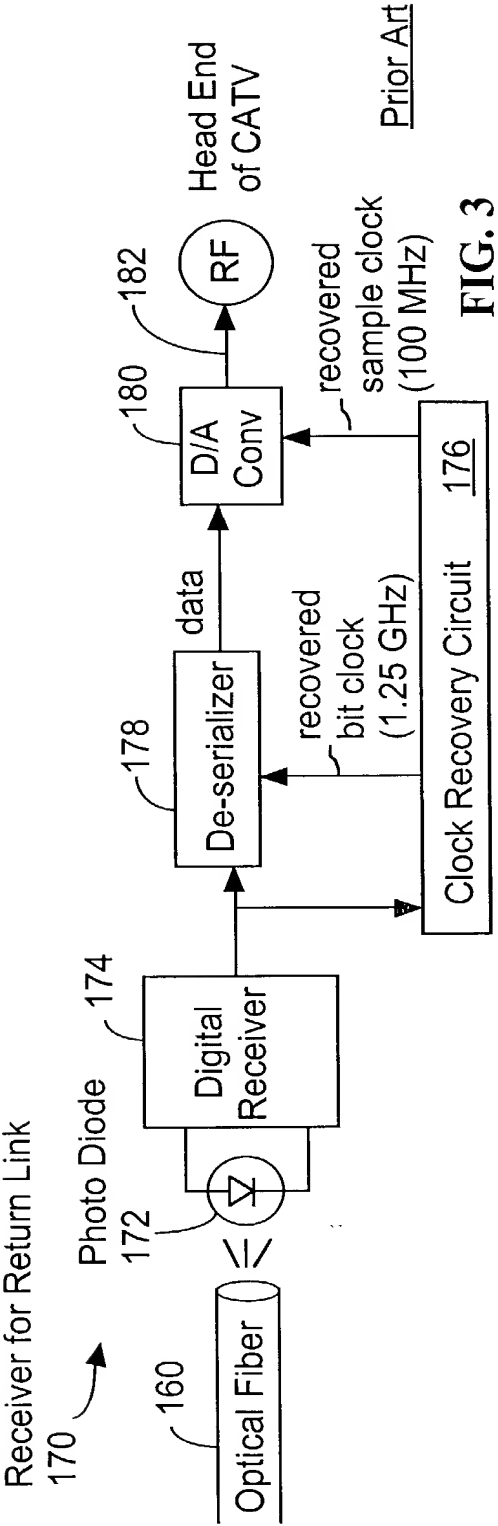


FIG. 3

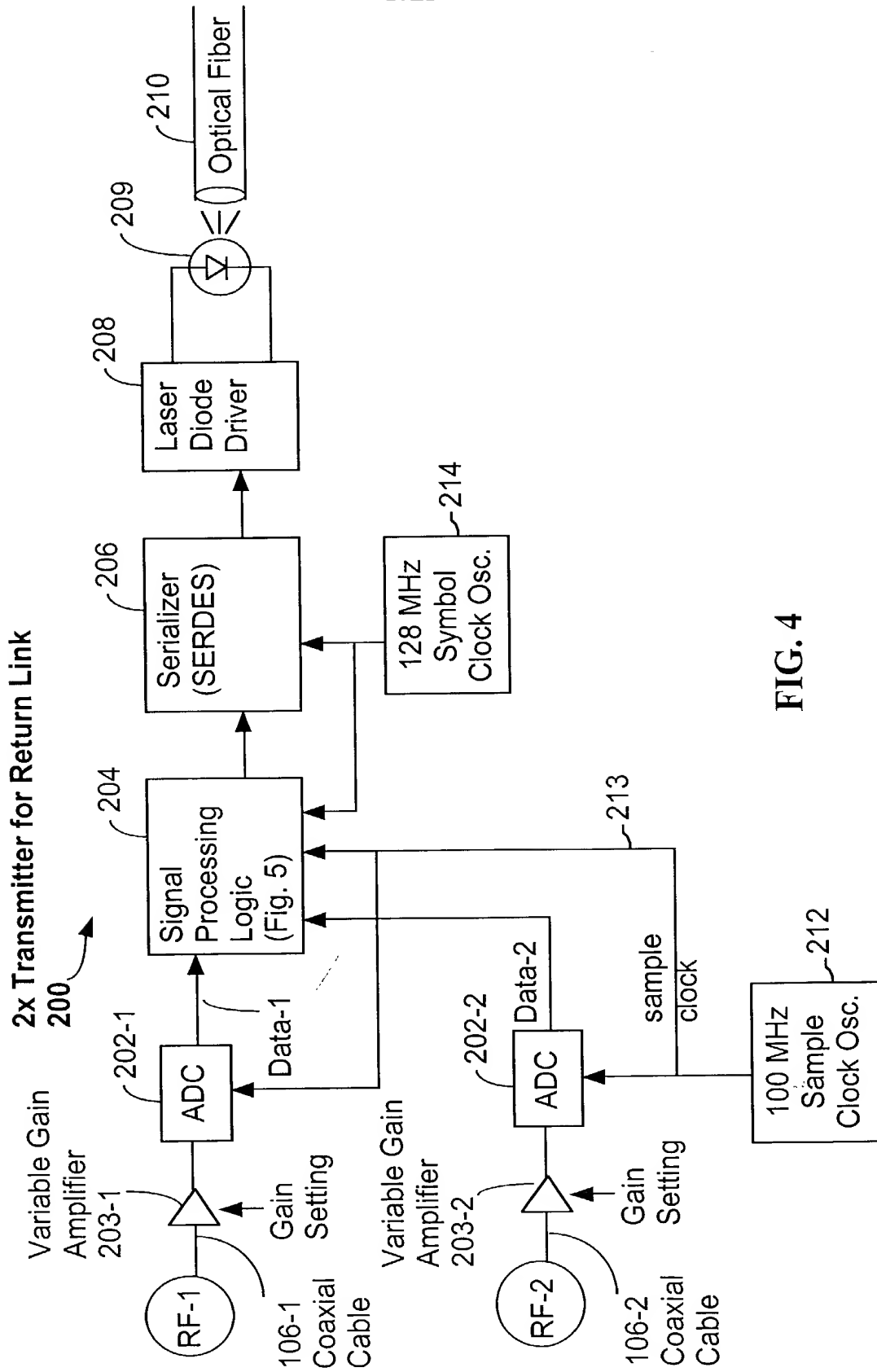
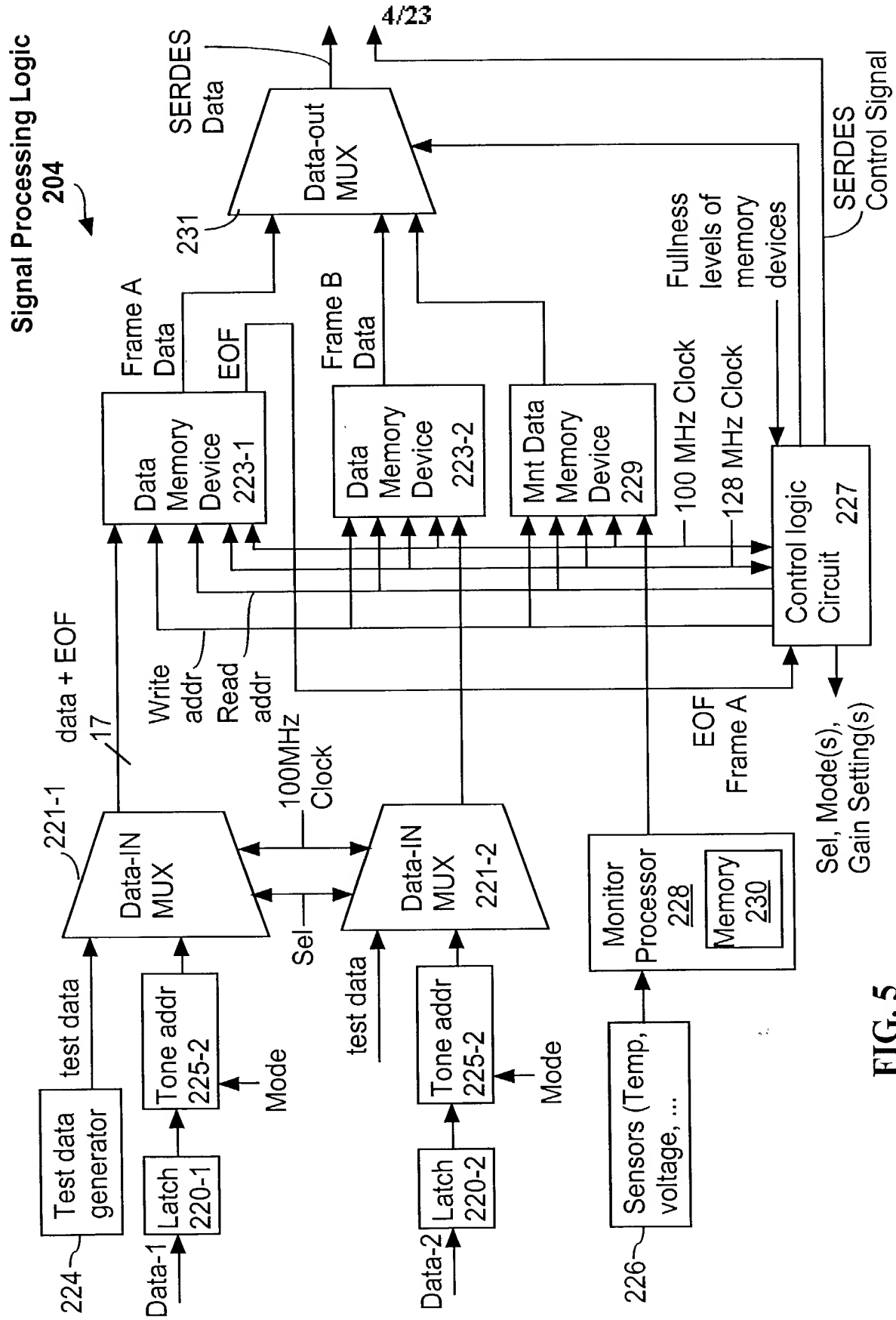


FIG. 4



**FIG. 5**



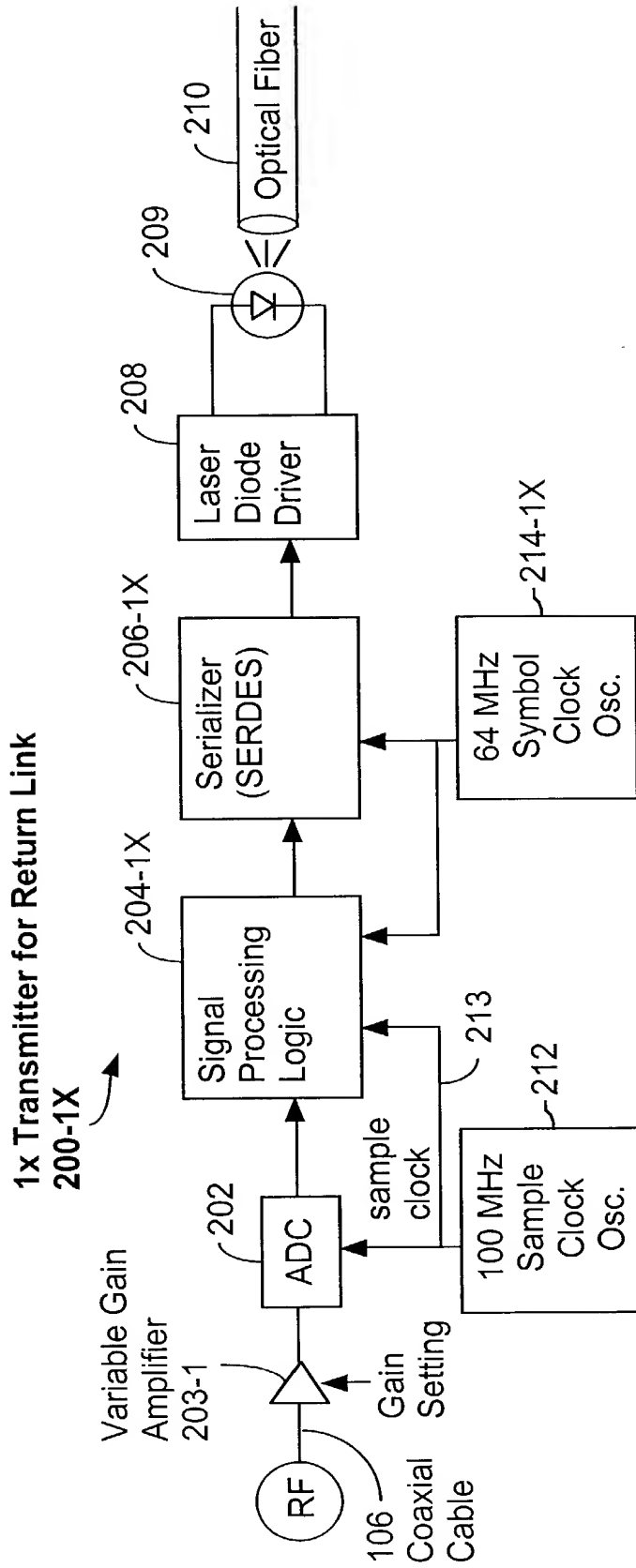


FIG. 7

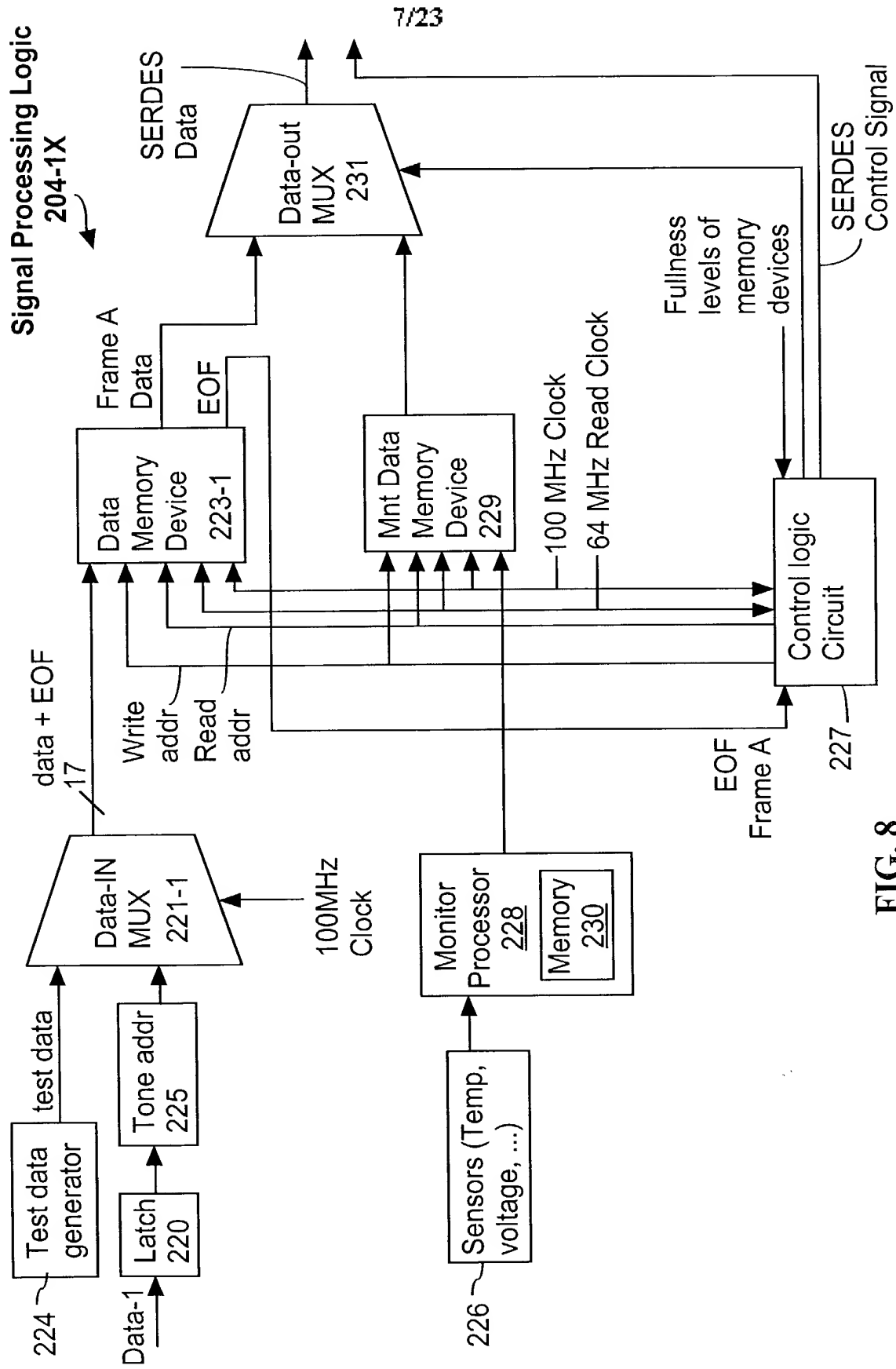
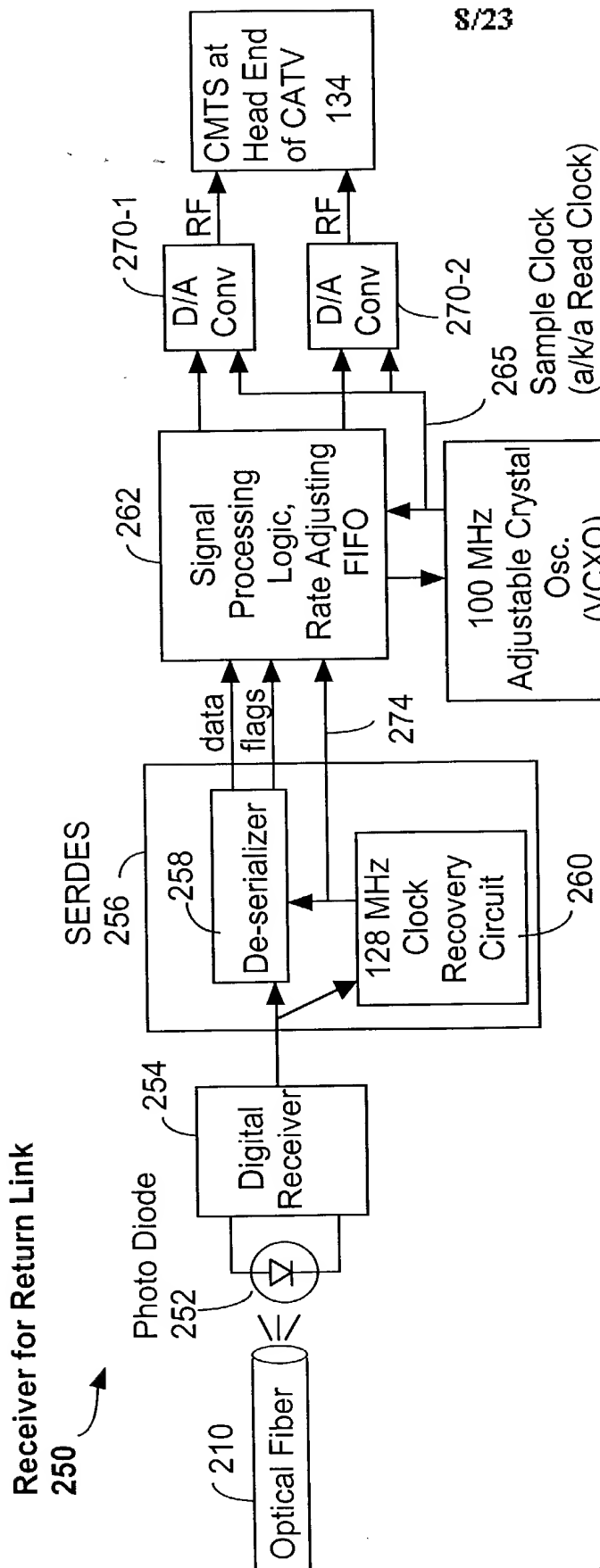
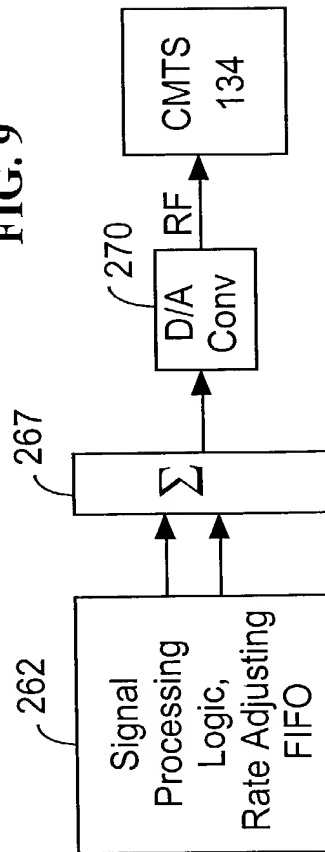


FIG. 8



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**FIG. 9**



**FIG. 9A**



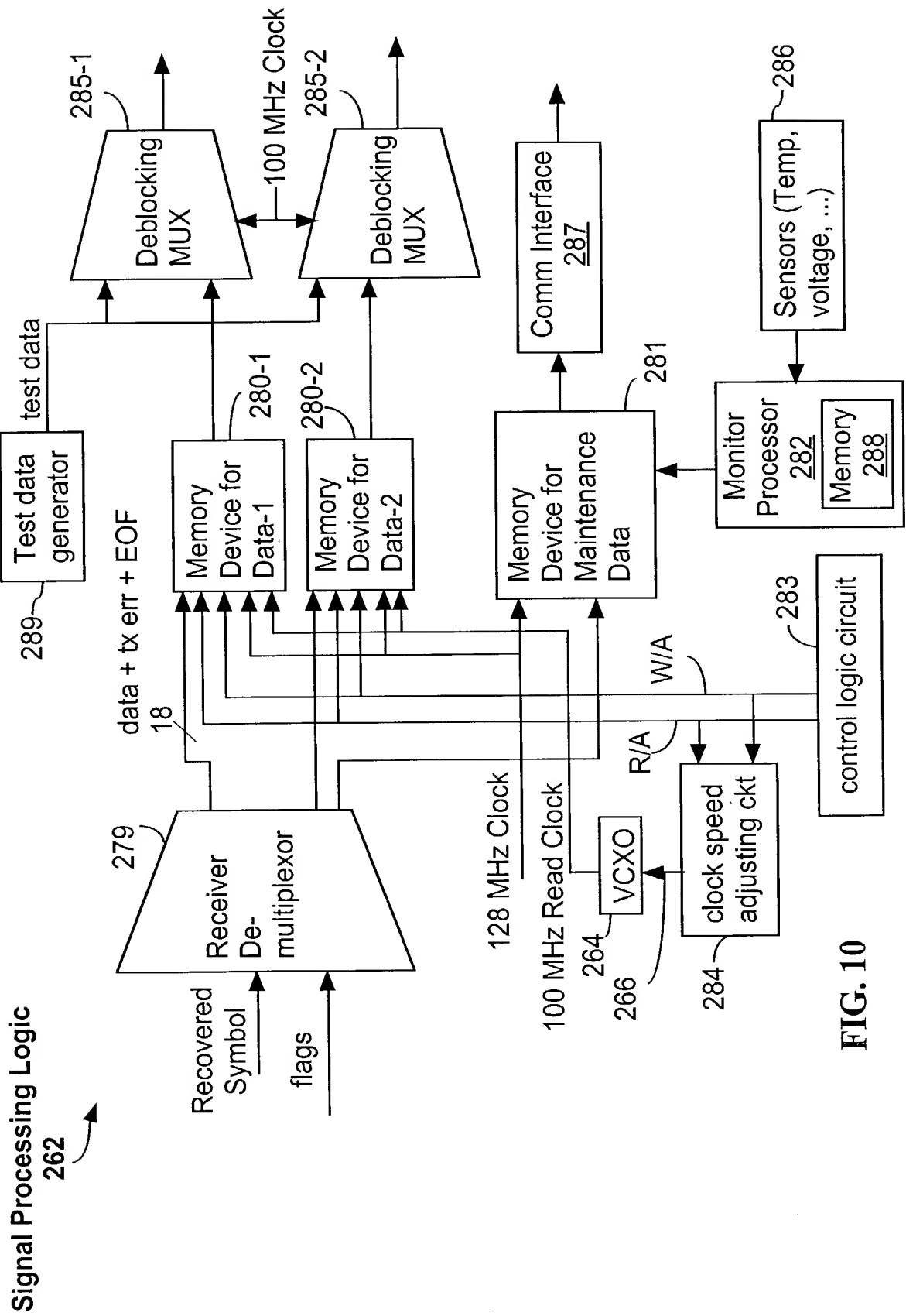
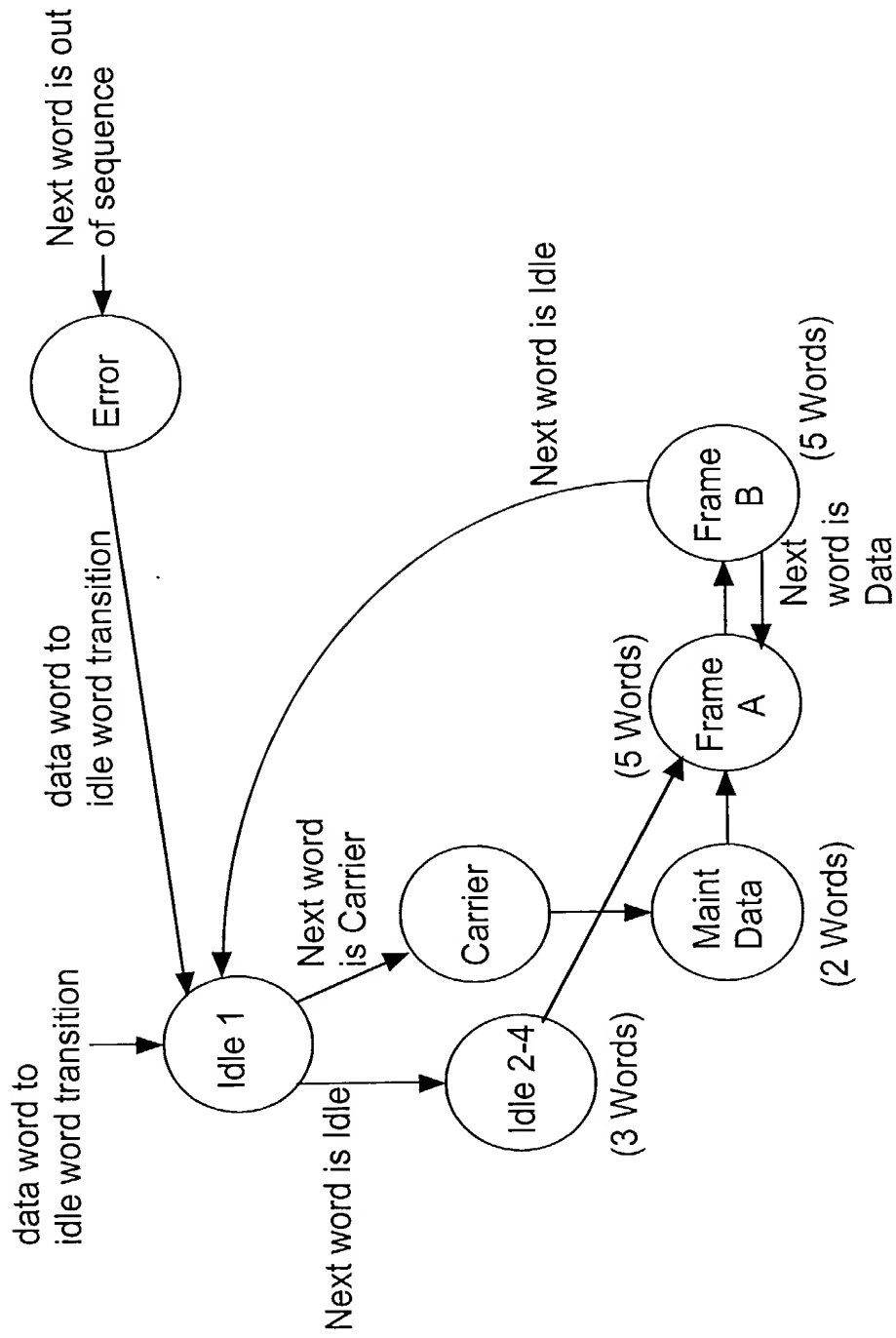


FIG. 10



State Diagram for Dual Channel Receiver Demultiplexor

**FIG. 11**

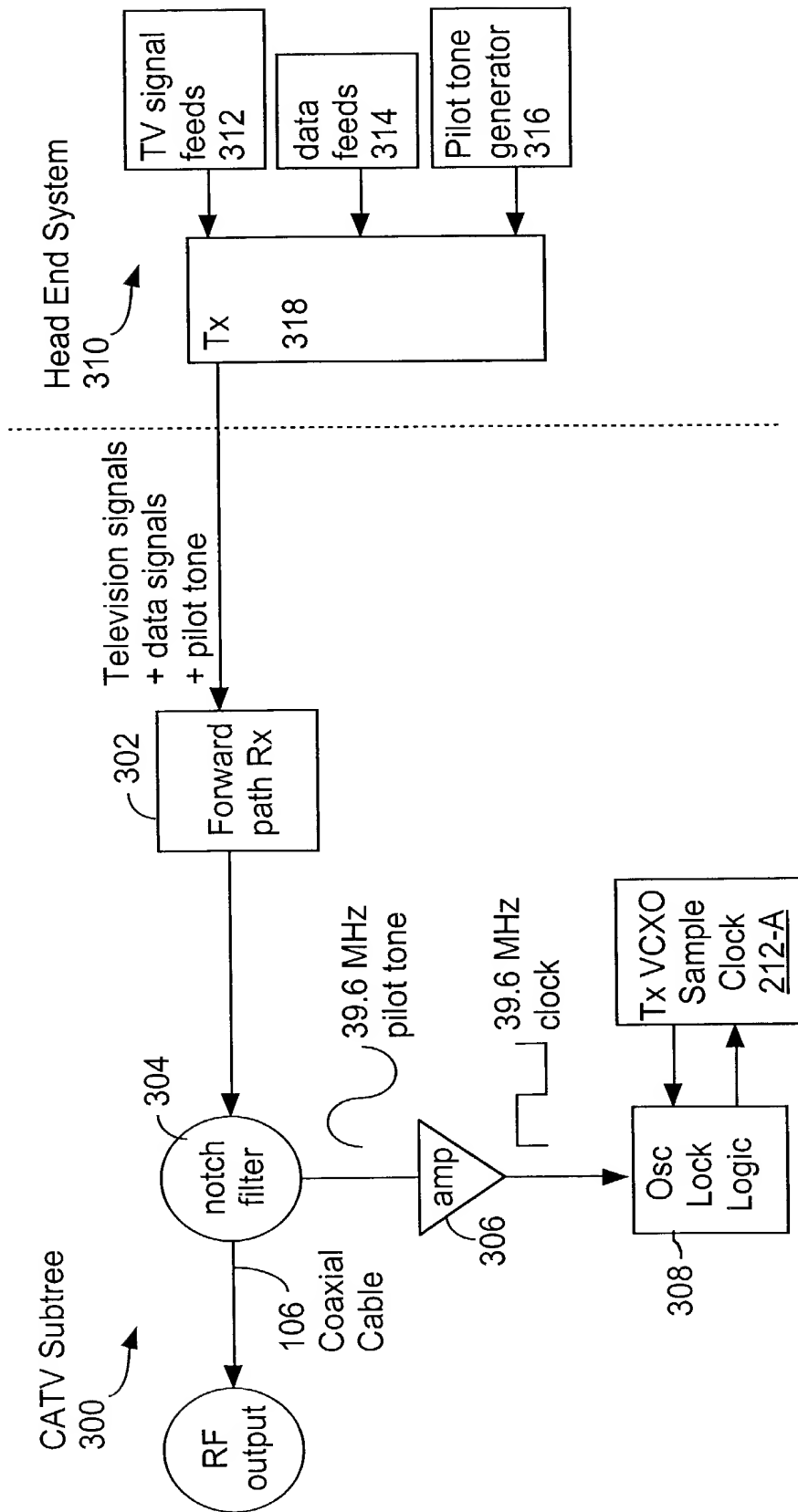


FIG. 12

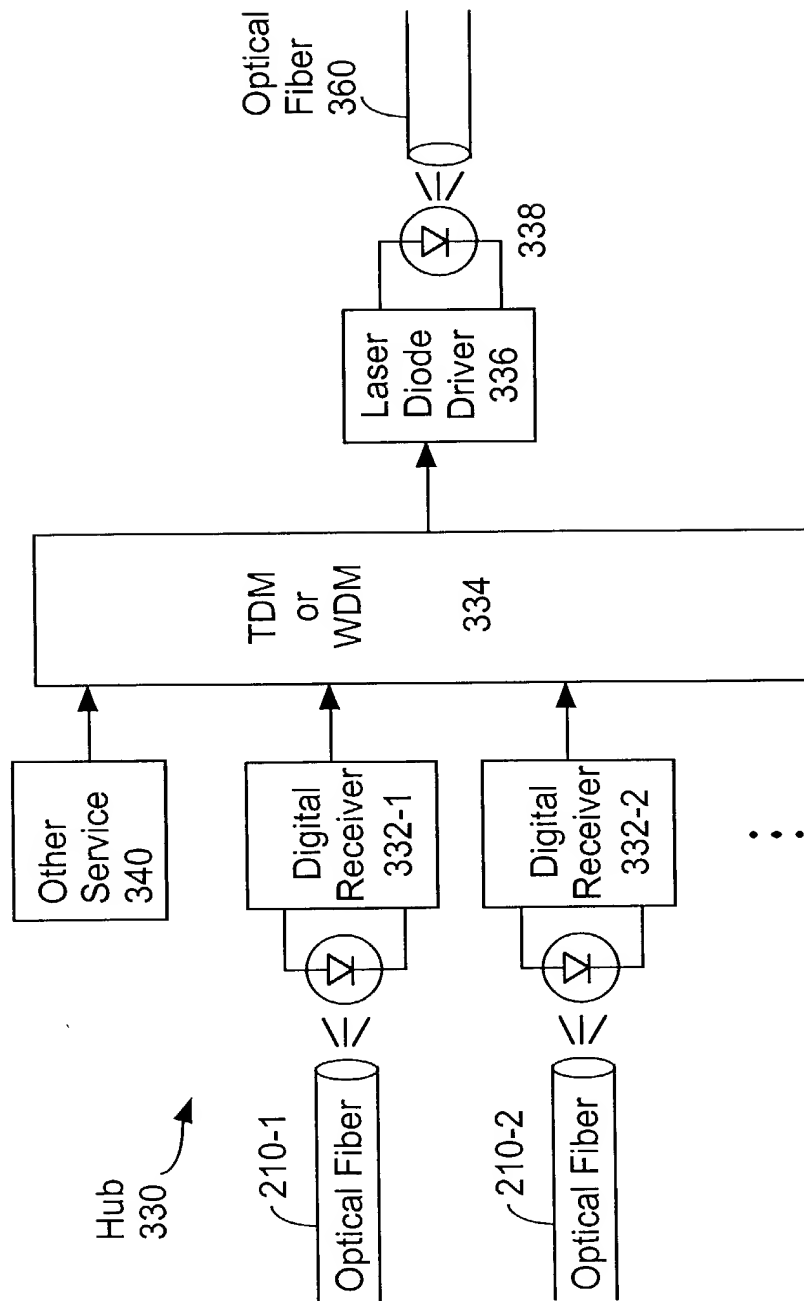


FIG. 13

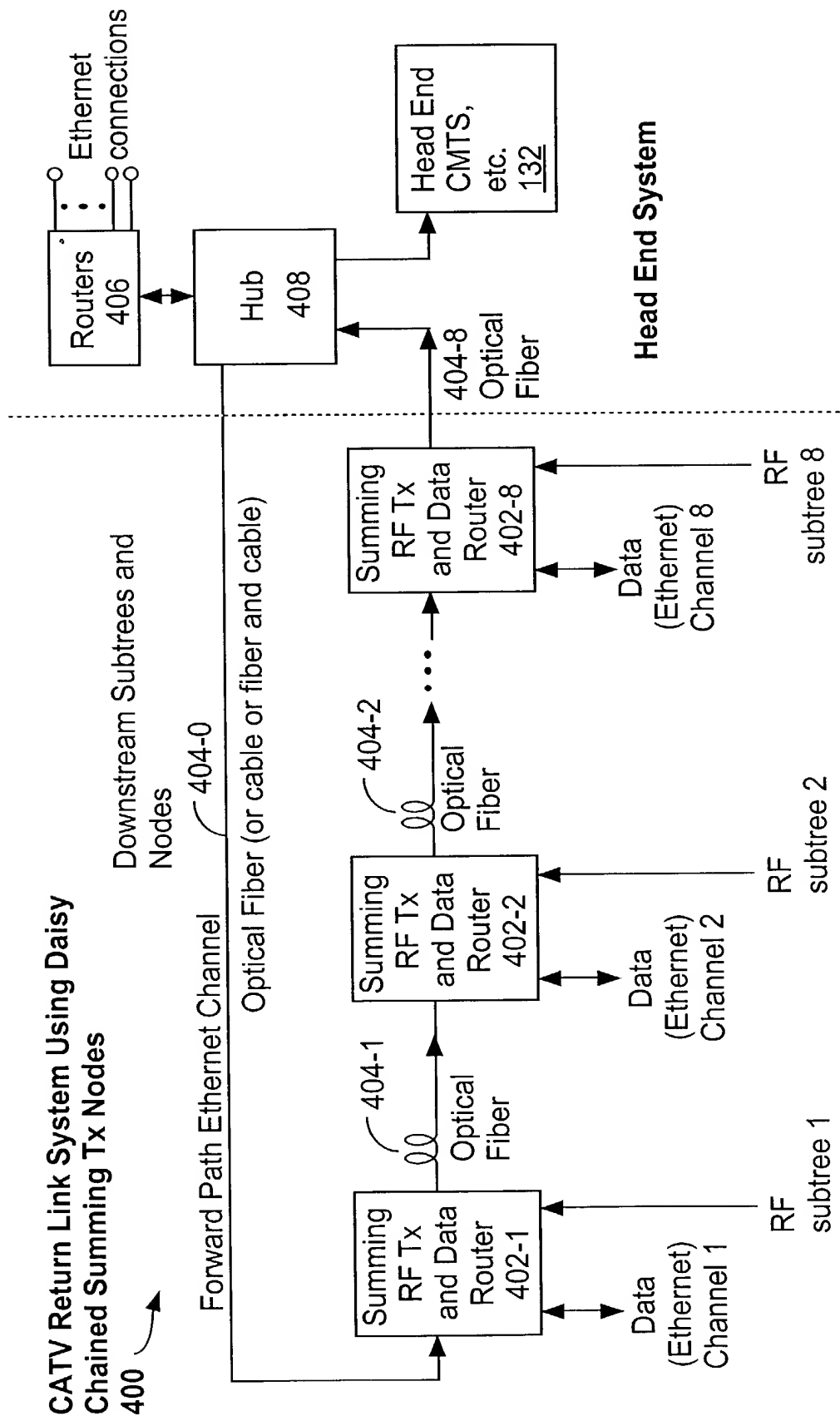
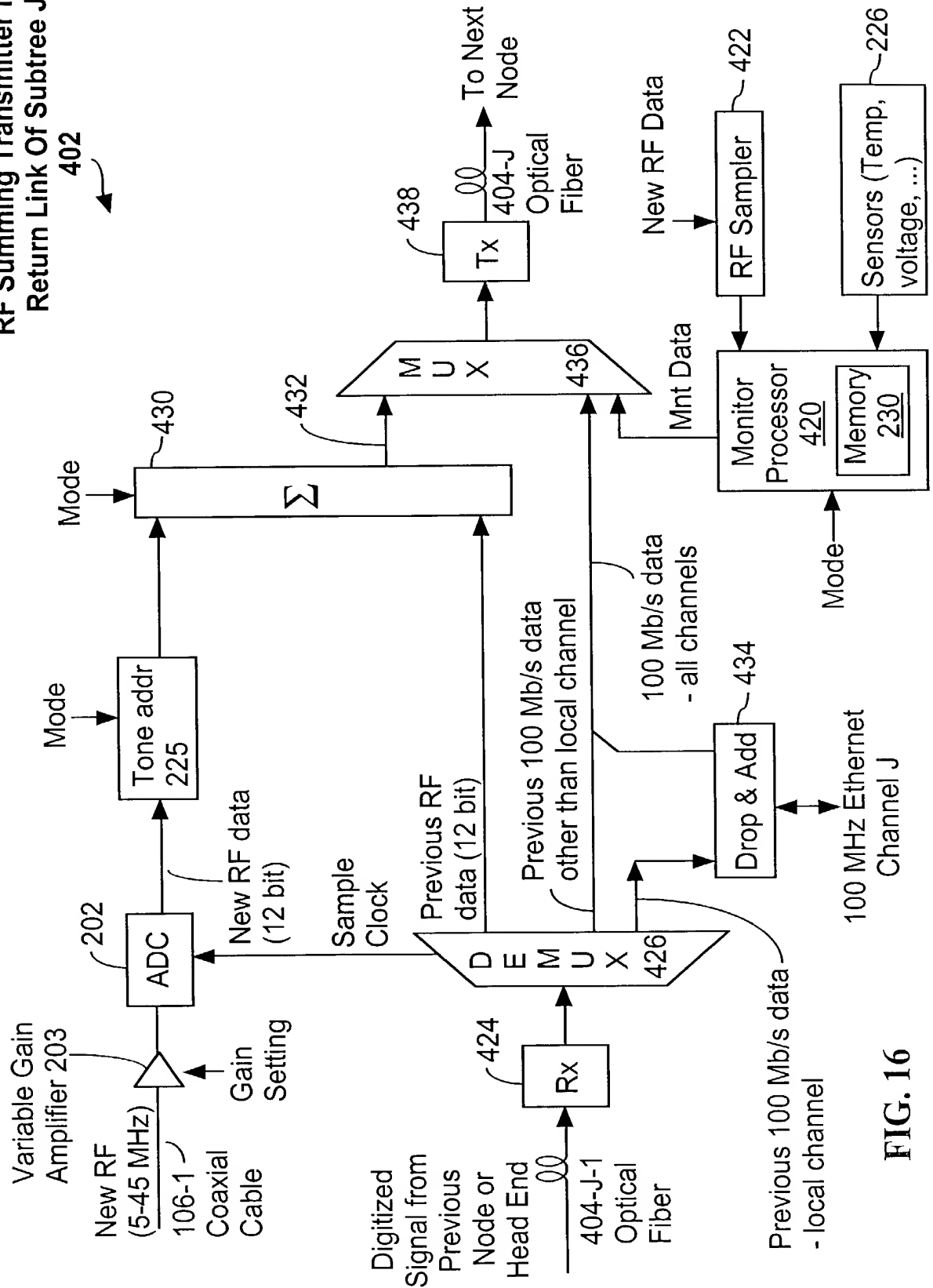


FIG. 14



**FIG. 15**

# RF Summing Transmitter for Return Link Of Subtree J



**FIG. 16**

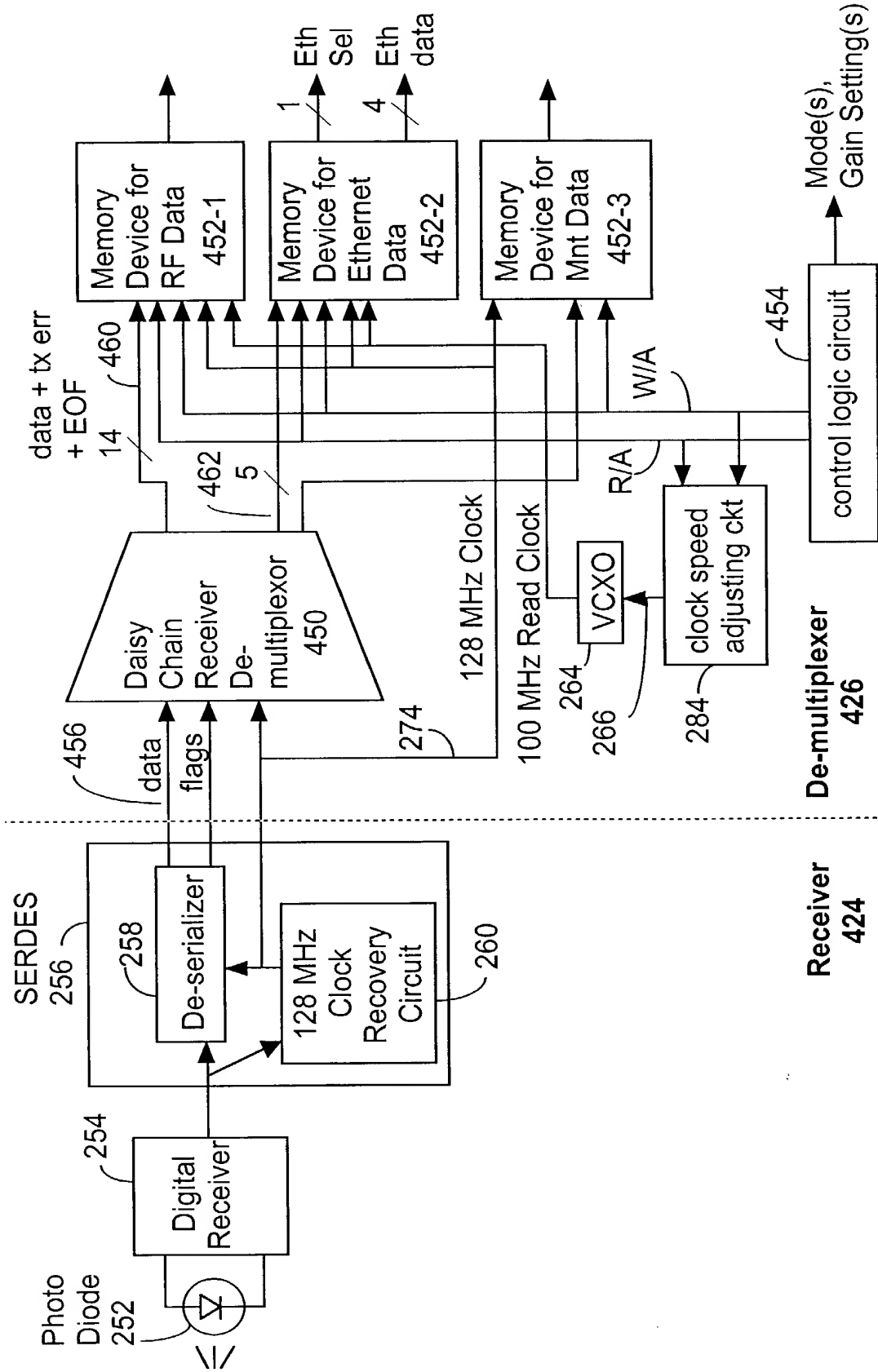


FIG. 17



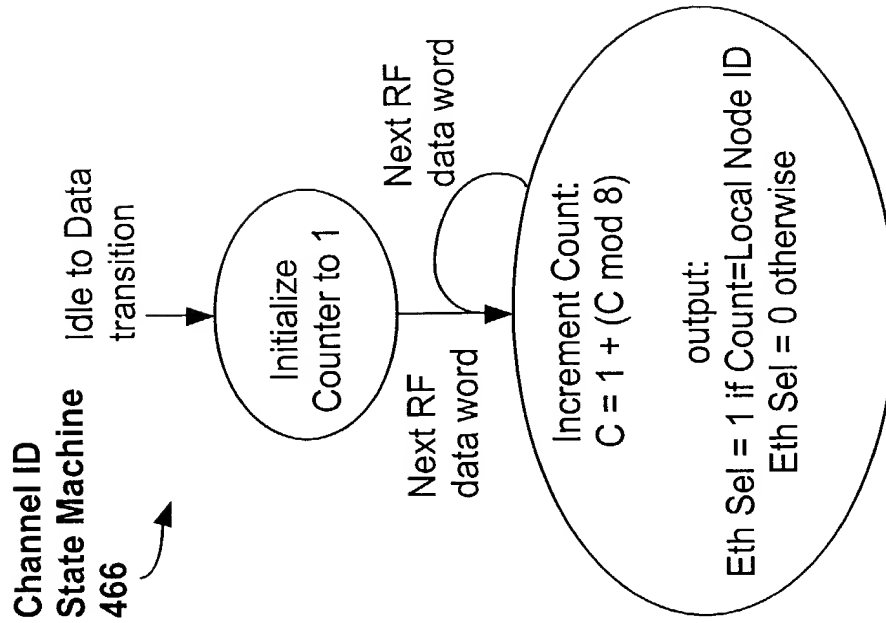


FIG. 19

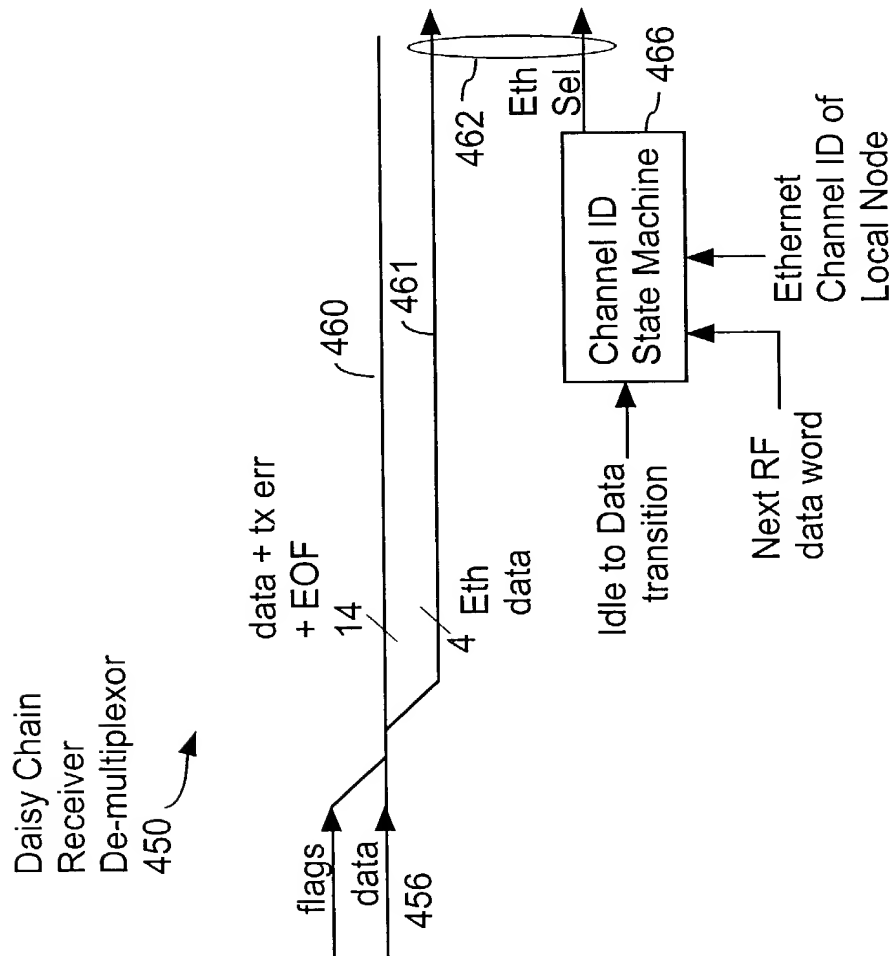


FIG. 18

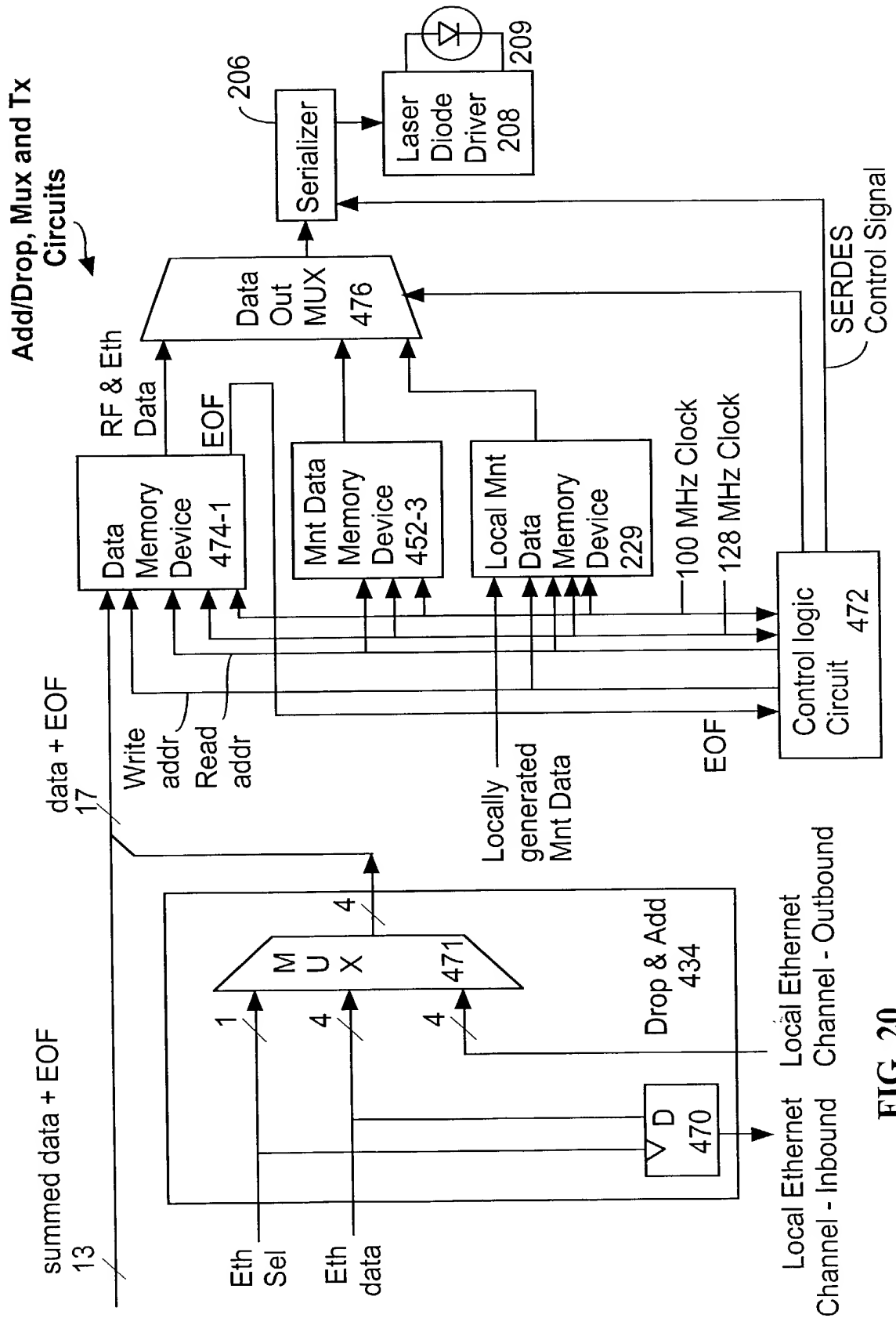


FIG. 20

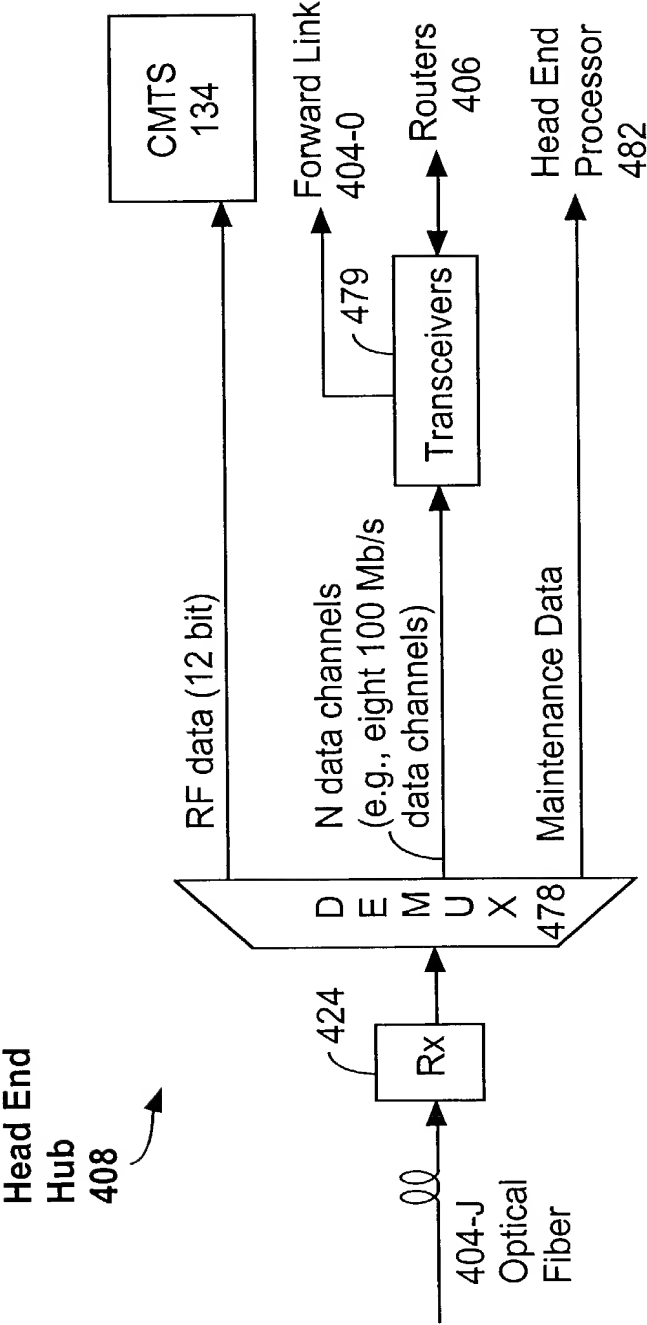


FIG. 21

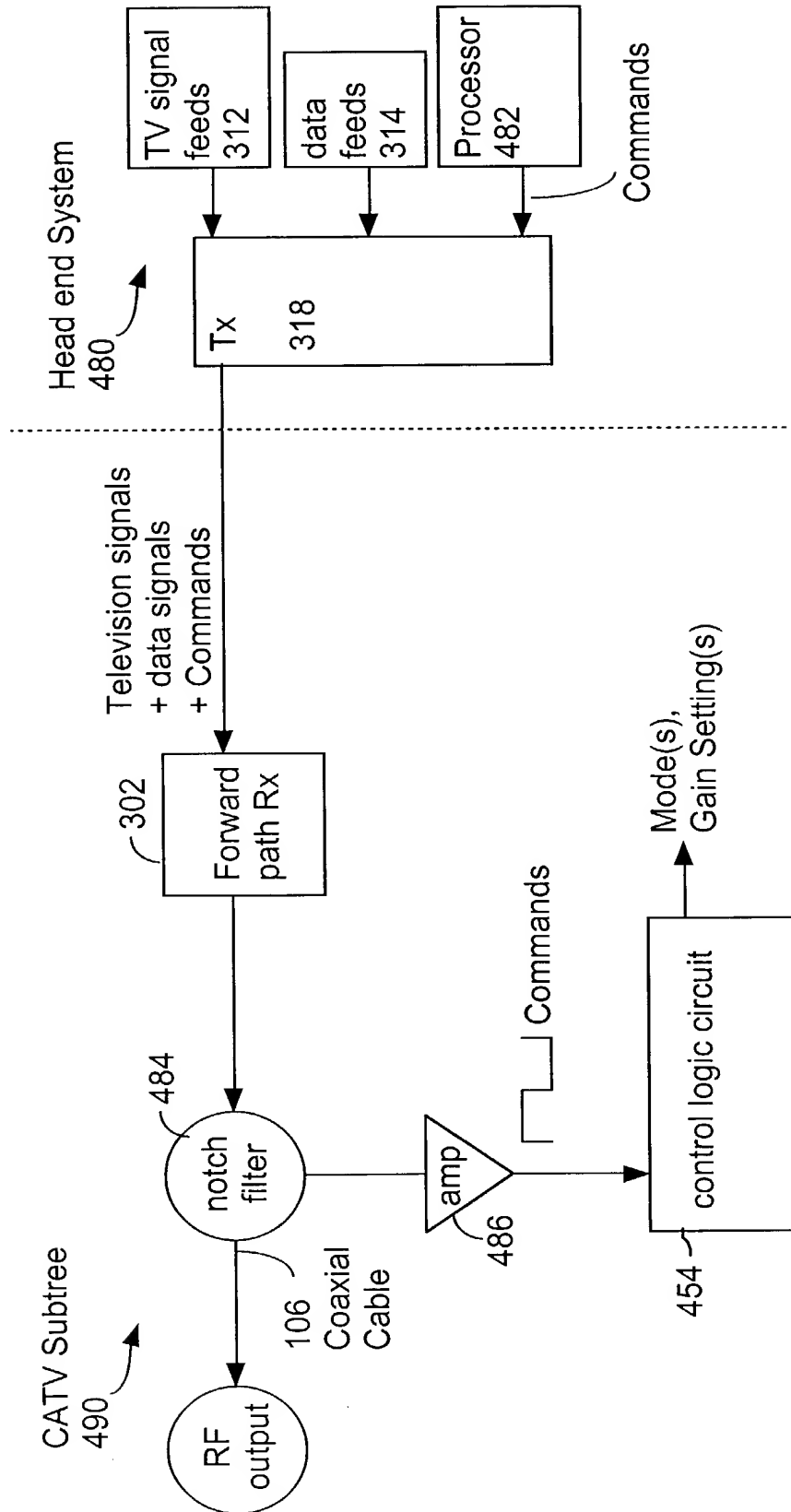


FIG. 22

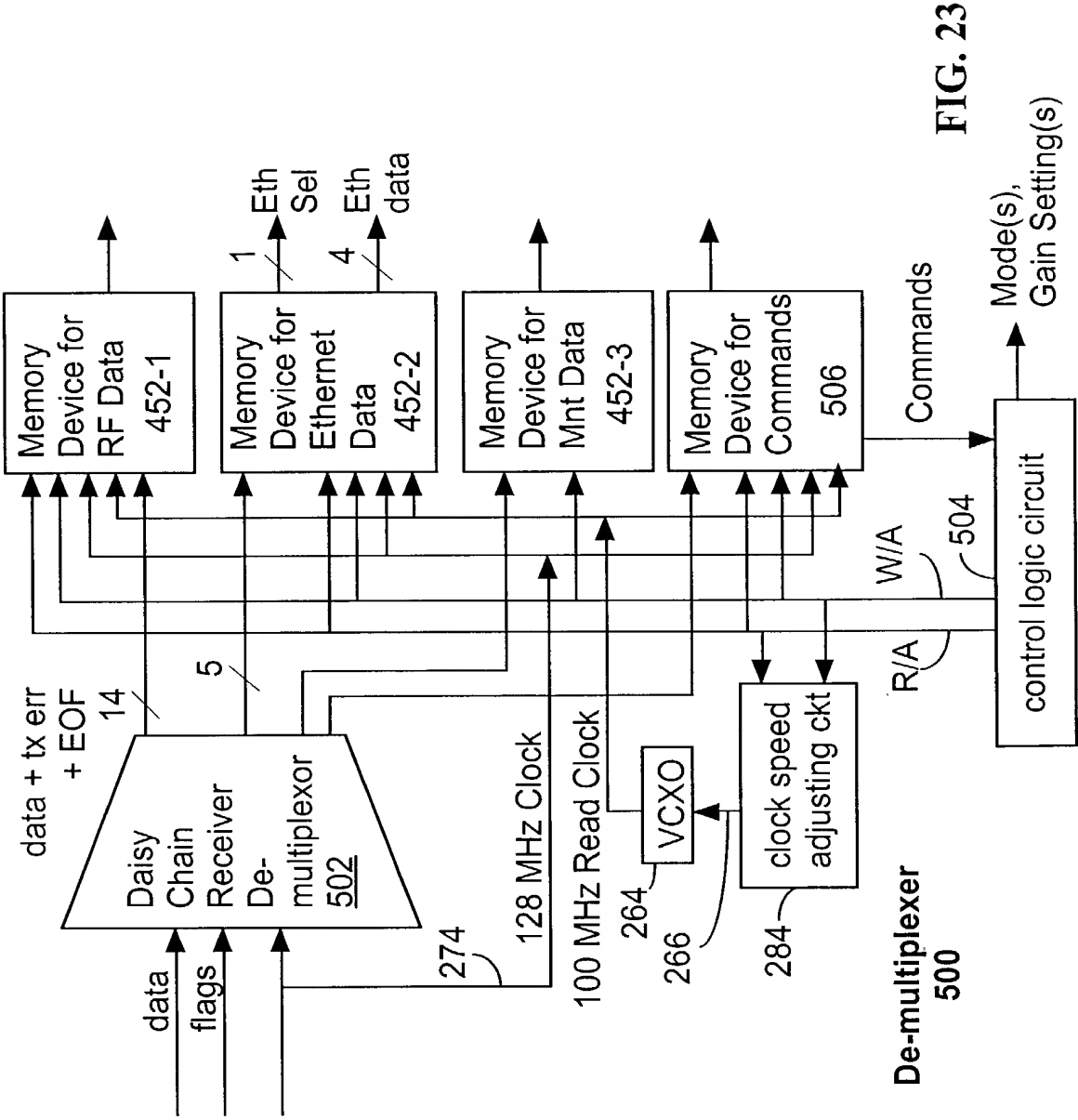


FIG. 23

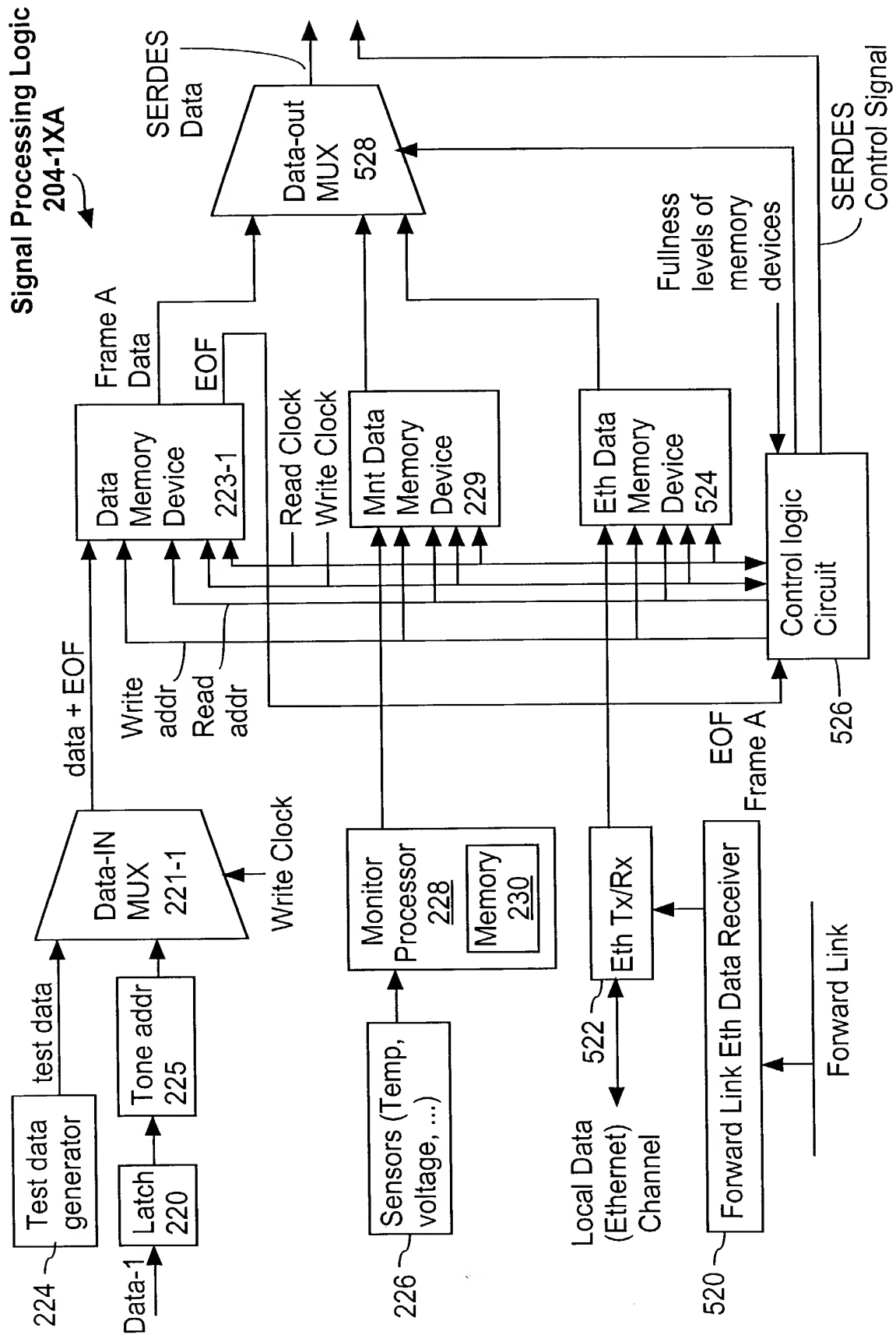


FIG. 24

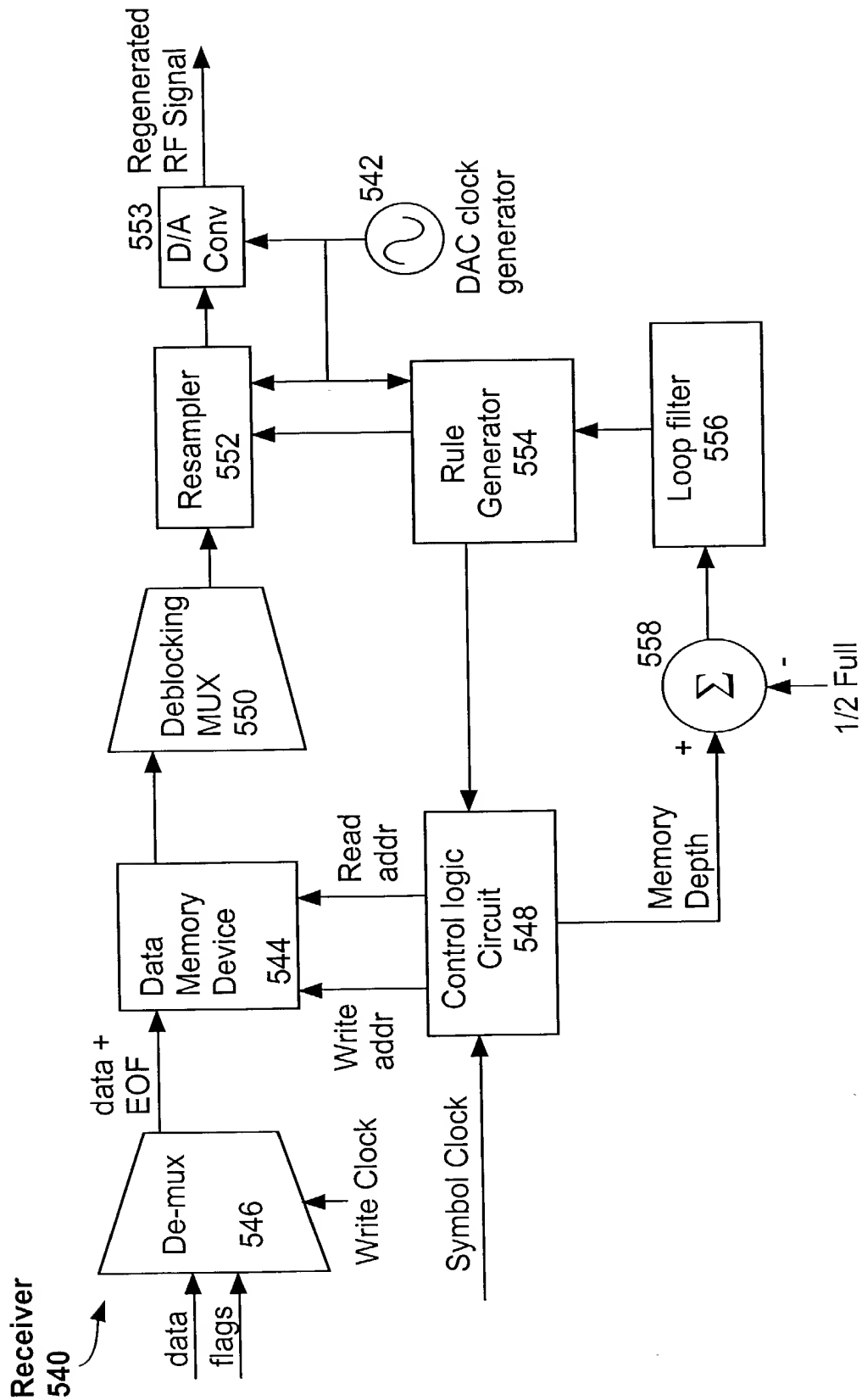


FIG. 25